ABB

Doc. no.	1SAA960012-2403
Rev. ind.	
Date	2013-08-15
From	Roland Schmale
Dept.	APR/ACA
Phone	+49 6221 701-814
Fax	+49 6221 701-1344
E-mail	roland.schmale@de.abb.com

Environmental Information

The purpose of this document is to provide environmental information requested in the procedure for Industrial ^{IT} Enabled level 0.

Product name	Distributed Automation I/O AI523, AI531
	Distributed Automation I/O AO523
	Distributed Automation I/O AX521, AX522
	Distributed Automation I/O CD522
	Distributed Automation I/O CI501, CI502
	Distributed Automation I/O CI504, CI506
	Distributed Automation I/O CI521, CI522
	Distributed Automation I/O CI541, CI542
	Distributed Automation I/O CI581, CI582
	Distributed Automation I/O CI590, CI592
	Distributed Automation I/O DA501
	Distributed Automation I/O DC522, DC523
	Distributed Automation I/O DC532
	Distributed Automation I/O DC541
	Distributed Automation I/O DC551
	Distributed Automation I/O DI524
	Distributed Automation I/O DO524
	Distributed Automation I/O DX522
	Distributed Automation I/O TU508
	Distributed Automation I/O TU510
	Distributed Automation I/O TU516
	Distributed Automation I/O TU518
	Distributed Automation I/O TU520
	Distributed Automation I/O TU532
	Distributed Automation I/O TU552
	Product name may be followed by additional suffixes
ABB Identity number	1SAP4xxxxxRxxxx , AC500-XC "Outdoor" devices
Information provided by *(Name and e-mail address)*	Roland Schmale roland.schmale@de.abb.com
Business area	Discrete Automation and Motion – DMLD
Date	August 2013

1 Related documents

Industrial ^{IT} Architecture - Introduction and Definitions, 3BSE023904

Group Function Sustainability Affairs

Industrial ^{IT} Certification Overview, 3BSE023905

Industrial ^{IT} Certification Guideline, 3BSE024526

Industrial ^{IT} Enabled Level 0 - Information, Introduction and Definitions, 3BSE025934

Ref documents:
http://inside.abb.com/The Insider/Featured Portals/Industrial IT Deployment/06 Product Certification/Document Library

2 Environmental Information

2.1 Content of hazardous materials

Declare the presence of hazardous materials in the product. Printed circuit boards are declared separately under 2.1.1 and should be excluded from the declaration in the table below.

Material	Example application	Yes	No	*Quantity/unit* Optional [1]
Lead	Batteries, cables		✓	
Cadmium	Batteries, switches, additive in lead		✓	
Mercury	Batteries, switches		✓	
Beryllium	Contact springs		✓	
Brominated flame retardants, e.g: PBB, PBDE, TBBPA	Additive in plastics or rubber		✓	
HCFCs, e.g: R 22, R 123, R 141b	Cooling media		✓	
SF6, sulphurhexafluoride	Breakers		✓	
Coating paint ELPEGUARD SL1307 ECO FLZ (ABB Ident-Nr: 2CDN593500P0001)	PCBs of the AC500-XC "Outdoor" devices	✓		<0,1% from module weight

(1) Strive to declare the quantity. This is optional, however, since it is today sometimes difficult to retrieve such information, especially regarding supplied components.

2.1.1 Printed circuit boards

Specify the amount of printed circuit boards used in the product by declaring the total board surface:

☐   < 1 dm^2

✓   1-10 dm^2

☐   > 10 dm^2

☐   No printed circuit boards used in the product

Group Function Sustainability Affairs

2.2 Recycling information

Is recycling information for the product available?

❐   Yes   Ref. Document:...

✓   No

If No, please specify, in the table below, the component/part/physical position where the material is present:

Material	Component/part/physical position
Lead	
Cadmium	
Mercury	
Beryllium	
Brominated flame retardants	
HCFCs	
SF6, sulphurhexafluoride	
Coating paint ELPEGUARD SL1307 ECO FLZ (ABB Ident-Nr: 2CDN593500P0001)	PCBs of the AC500-XC "Outdoor" devices

2.3 Energy use and/or losses during the operation of the product

Is energy use and/or losses during operation of the product specified in the product documentation?

✓   Yes   Ref. Document: Product data sheet

❐   No

❐   Not relevant

Group Function Sustainability Affairs